

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,349

DATE: 06/20/2001

TIME: 12:21:57

Input Set : A:\pbli-p01-007.txt

Output Set: N:\CRF3\06202001\I872349.raw

ENTERED

3 <110> APPLICANT: Sidney Pestka
5 <120> TITLE OF INVENTION: PHOSPHORYLATED PROTEINS AND USES RELATED THERETO
7 <130> FILE REFERENCE: PBLI-P01-007
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/872,349
C--> 10 <141> CURRENT FILING DATE: 2001-05-31
12 <150> PRIOR APPLICATION NUMBER: 60/208,240
13 <151> PRIOR FILING DATE: 2000-05-31
15 <150> PRIOR APPLICATION NUMBER: 60/255,296
16 <151> PRIOR FILING DATE: 2000-12-13
18 <160> NUMBER OF SEQ ID NOS: 46
20 <170> SOFTWARE: PatentIn Ver. 2.1
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24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
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32 Arg Arg Ala Ser
33 1
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37 <211> LENGTH: 5
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47 1 5
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51 <211> LENGTH: 8
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
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61 1 5
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65 <211> LENGTH: 7
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated

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71 peptide
73 <400> SEQUENCE: 4
74 Arg Lys Arg Ser Arg Lys Glu
75 1 5
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 7
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
85 peptide
87 <400> SEQUENCE: 5
88 Leu Arg Arg Ala His Leu Gly
89 1 5
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 6
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
99 peptide
101 <400> SEQUENCE: 6
102 Ser Glu Glu Glu Glu Glu
103 1 5
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 10
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
113 peptide
115 <400> SEQUENCE: 7
116 Arg Arg Arg Glu Glu Glu Thr Glu Glu Glu
117 1 5 10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
127 peptide
129 <400> SEQUENCE: 8
130 Arg Arg Arg Glu Glu Glu Ser Glu Glu Glu
131 1 5 10
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:

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140 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
141 peptide
143 <400> SEQUENCE: 9
144 Arg Arg Arg Asp Asp Asp Ser Asp Asp Asp
145 1 5 10
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151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <221> NAME/KEY: SITE
155 <222> LOCATION: (7)
156 <223> OTHER INFORMATION: Xaa=Ser or Thr
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
160 peptide
162 <400> SEQUENCE: 10
① 163 Ala Ala Ala Ala Ala Ala Xaa Glu Glu Glu
164 1 5 10
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 10
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170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <221> NAME/KEY: SITE
174 <222> LOCATION: (7)
175 <223> OTHER INFORMATION: Xaa=Ser or Thr
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
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① 182 Ala Ala Ala Glu Glu Glu Xaa Glu Glu Glu
183 1 5 10
186 <210> SEQ ID NO: 12
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188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
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192 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated
193 peptide
195 <400> SEQUENCE: 12
196 Arg Arg Leu Ser Ser Leu Arg Ala
197 1 5
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 9
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: phosphorylated

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207 peptide
209 <400> SEQUENCE: 13
210 Thr Glu Thr Ser Gln Val Ala Pro Ala
211 1 5
214 <210> SEQ ID NO: 14
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217 <213> ORGANISM: Artificial Sequence
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222 <400> SEQUENCE: 14
223 gtgaccgctg taccaacctc tgtcc 25
226 <210> SEQ ID NO: 15
227 <211> LENGTH: 33
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229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
234 <400> SEQUENCE: 15
235 ccctcgagtc acttgcccg ggacagggag agg 33
238 <210> SEQ ID NO: 16
239 <211> LENGTH: 27
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
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245 oligodeoxynucleotide
247 <400> SEQUENCE: 16
248 gcagcctcca ccaggcgccc atcggtc 27
251 <210> SEQ ID NO: 17
252 <211> LENGTH: 30
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence:
258 oligodeoxynucleotide
260 <400> SEQUENCE: 17
261 gggcatgtgt gacgtctgtc acaagatttg 30
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 31
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence:
271 oligodeoxynucleotide
273 <400> SEQUENCE: 18
274 cctggggctt cgcgaaggat ttcttgcaag g 31
277 <210> SEQ ID NO: 19
278 <211> LENGTH: 30

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279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence:
284 oligodeoxynucleotide
286 <400> SEQUENCE: 19
287 gtgtcagttg gccggagggt tactttgagc 30
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 34
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
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297 oligodeoxynucleotide
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300 cggtgggcat gagtgacgtc tgcacaaga ttg 34
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304 <211> LENGTH: 34
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
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310 oligodeoxynucleotide
312 <400> SEQUENCE: 21
313 cggtgggcat gagtgacgtc tgcacaaga ttg 34
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 32
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
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331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
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337 cccaagcttt ttggcgctgg agacggtgac cag 33
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341 <211> LENGTH: 31
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
348 <400> SEQUENCE: 24
349 cctctagacc accatggata gccaggccca g 31

VERIFICATION SUMMARY

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Input Set : A:\pbli-p01-007.txt

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L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11